T BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

SBR No-222/15-16 dt: 30-1-16

1st and final Bill

M. A. R. 57 (Rule 116)
Measurement Book

BR-266 / 01-02-16

No. B

260937

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency ..... M. Srinivas Murthy Contractor

Date of commencement of work ..... D.O. Recording : 30-01-2016

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of Work :- Improvement and Asphalting to Canara Bank Layout Balance Roads in Ward No. 9 of Vidyaranyapura Sub-Division						
	Estimated Cost :- Rs. 15.00 Lakhs						
	NIB. No :- EE/BDMP/BTP/T-DMT/08C14236/2014-15/0000003						
	Work order No :- WO/318/14-10 dt. 23-02-15 (DOW - 2014-15)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) Earthwork Excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m, Excavated surface levelled and sides dressed, the disposed Earth to be levelled neatly after breaking clods etc complete as per specifications and directions of Engineer-in-charge of work.						
	Qty vide this MB upto					260981	
	Less no (1) :				236.704 m³	18786.88	
					79.37/4 m³		

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	(2) Scarifying ex thickness along with up consisted m materials with of the salvage prepared base specifications complete as pe Engineer-in-ch

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		ual means in ordinary izontal throw upto 2m n, Excavated surface disposed Earth to ding Cloths etc complete rections of Engineer- Vide this MB pno 260981 to ① = 236.704 m³ @ 79.37/m³	18786.88

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260938

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	② Scarifying existing stone metal layer upto 75mm thick along with their interstices surface picking up reusable materials and stacking of all serviceable materials with lead of lead, sequential spreading of the salvaged aggregate with fresh aggregate as prepared base and consolidating as per WBM specification & including costly all labour etc complete as per specifications and direction of Engineer-in-charge work						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Carried to this MB p.no 260982				
			As per ① = 1710.00 m²			1489062.50	
			@ 87.08/m²				
	3) Providing, laying, spreading and compacting graded stone aggregate to WBM macadam specification including providing the material with water at OMC in mechanical mix plant, Carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory Roller to achie						

Serial No. .....
Name of Work .....
Name of Contracto
Date of commence

Date	Full des
1	
	the d and d
	4) clean in cl forg

ENT BOOK

Dimensions			Contents	Reference to last Measurement
ngth 4	Breadth 5	Depth 6	7	8
by wide this MB p.no 260982				
# no (1) = 1710.00 m² @ 87.08/m²				148906.80
g and compacting graded				
ra macadam specification				
e material with water th				
plant, Consist of mixed				
laying in uniform layers				
Late coarse mixed proper				
the vibratory Roller to achie				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260939

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	the desired density etc complete as per specifications and directions of Engineer-in-charge of work						
	Qty vide this MB. P 260984						
	# no. (1) =		3572.50 m²				5,39,946.250
	@ 150.34/m²						
4)	Cleaning the Existing WBM Road surface including removing of bindy materials and other foreign ~~matters~~ @ ~~2.15/m²~~ matter with wire						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bag and or compressed air to receive bituminous treatment including costing all material, labour, hire of machinery carry etc complete as per specifications and directions of Engineer-in-charge of the work.						
	(a) Canara Bank Layout 5th Main (5th main) 7th Cross Malleshwaram Gandhi Road (0.00 to 650 mts) WO.767	1	30.00	$\frac{8.8+8.2}{2}$	-	255.00	
		1	30.00	$\frac{8.2+8.3}{2}$	-	249.00	
		1	5.00	$\frac{8.4+8.8}{2}$	-	43.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc, of
1	2
	(b) Cross-Road WO765 (0.00 to 17

T BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
...ping with bruma con...			
...with old gunny bag...			
...one bituminous treatm...			
...down, stoning machining...			
...certificate and directing...			
...work.			
...00	8.8+8.2/2	- 255.00	
...00	8.2+8.3/2	- 249.00	
...00	8.4+8.8/2	- 43.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 260940

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	(b) CROSS-Road (7th CROSS-Road to 9th (0.00 to 171.10m))	1	30.00	10.60+7.90/2		= 277.50	
		1	30.00	7.90+7.70/2		= 234.00	
		1	30.00	7.7+8.8/2		247.50	
		1	30.00	8.8+7.20/2		247.50	
		1	30.00	7.70+7.20/2		= 223.50	
		1	21.10	7.20+7.6/2		156.14	
		1	10.00	10.00+7.6/2		88.00	

C4F
Approved
S.E.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(c) Opp. PHC - Circle Canara Bank by.st	1	27.80	$\frac{8.60+9.646}{3}$		= 229.81 m^2	
					Total	2250.95 m^2	
					Ltd to	2040.00	
					@	12.81/m^2 26132.00	
5)	Providing and applying primer coat for surfacing medium possity bituminous premix stabilized soil base @ 1.10 kg/m^2 over prepared surface with S-S bitumen emulsion using bitumen tanker fitted with spray set (excluding cleaning of Road surface) including costing all material, labour, tools & machinery						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of wo
1	2
	etc complete a Engineer-in-c
6)	Providing and lay Using crushed premixed with the bitumen to wo

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
27.80	$\frac{8.60+9.6+6.6}{3}$	= 229.81 m²		
	Total	2250.95 m²		
	Ltd to	2040.00		
	@	12.81/m²	26132.40	
primer coat for superessy				
ment stabilized soil base				
ved surface with S-1				
ing bitumen tanker fitted				
dy cleaning of Road surface)				
ial, labour & use of machinery				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260941

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	etc complete as per specifications & directions of Engineer-in-charge of the Work.						
	Qty vide Item No ④ = 2040.00 m²						
	@ 78.24/m²						159,610.60
6)	Providing and laying semi dense bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying by a paver finisher to						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	the required, grade, level and alignment, Rolling with smooth wheeled vibratory and tandem Roller to achieve the desired compaction as per month specified clause. no. 508, Complete in all respects as per specifications using 100-120 TPH capacity Hmp with paver grading II (25-30mm) with 5% CRMB-55 grade complete as per specification and direction of Engineer in-charge of the work.						
	(a) Conc. Bond coat on 7th Cross-Road W0767 (0.00 to 5.00)	1	30.00	$\frac{8.8+8.20}{2}$	0.025	AVG = 6.384	
		1	30.00	$\frac{8.2+8.4}{2}$	0.025	= 6.23	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of wo
1	2
	(b) 7th Cross-Ro CH0769) 0.

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	5.00	$\frac{8.4+8.8}{2}$	0.025	= 1.08	
	(b) 7th CROSS-ROAD (5mmas) CH0769) 0.0m71.00 Lb	1	30.00	$\frac{10.6+7.9}{2}$	0.025	= 6.34	
		1	30.00	$\frac{7.9+7.2}{2}$	0.025	= 5.85	
		1	30.00	$\frac{7.7+8.8}{2}$	0.025	= 6.19	
		1	30.00	$\frac{8.8+7.2}{2}$	0.025	= 6.19	
		1	30.00	$\frac{7.7+7.2}{2}$	0.025	= 5.59	
		1	21.90	$\frac{7.2+7.4}{2}$	0.025	= 3.90	

Checked

J.E.

A.E.E.

Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
...nd alignment, Rolling ...				
... and tandem Roller to ...				
...ting as per month specifying ...				
...e is add respects as per ...				
...-120 TPH capacity ...				
...lying (25-30mm) with 5% ...				
...mplete as per specification ...				
...ver re-charge of the Work ...				
			Avg	
30.00	$\frac{8.8+8.20}{2}$	0.025	= 6.38	
30.00	$\frac{8.2+8.4}{2}$	0.025	= 6.23	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(c) Opp. PHE Circle	1	27.80	8.49+8.45+8.41 / 3	0.025 = 5.70		
	(d) patch work	1	10.00	10.047+6 / 2	0.025 = 2.20		
						56.2743	
						L+d = 56.1047	6,52,076-00
						@ 11622 = 39/m³	
(1)	Lead for disposal of debris shall be payable at Carriage rate by mechanical means including loading and unloading etc complete as per specification and direction of Engineer-in-charge of work					Qty as per M.B. (1)	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Certificate
	(1) Certified th Work done
	(2) The contra

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
.80	8.4+9.4+6.1 / 3	0.025 = 5.70		
.00	10.0+7.6 / 2	0.025 = 2.20		
			56.27 m³	
			Ltd to 56.10 m³	6,52,076-00
			@ 11622 = 39/m³	

on shall be payable as
ical means in duly
complete as per specification
en-in-charge of work
Qty as per M.B. (1)

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260943

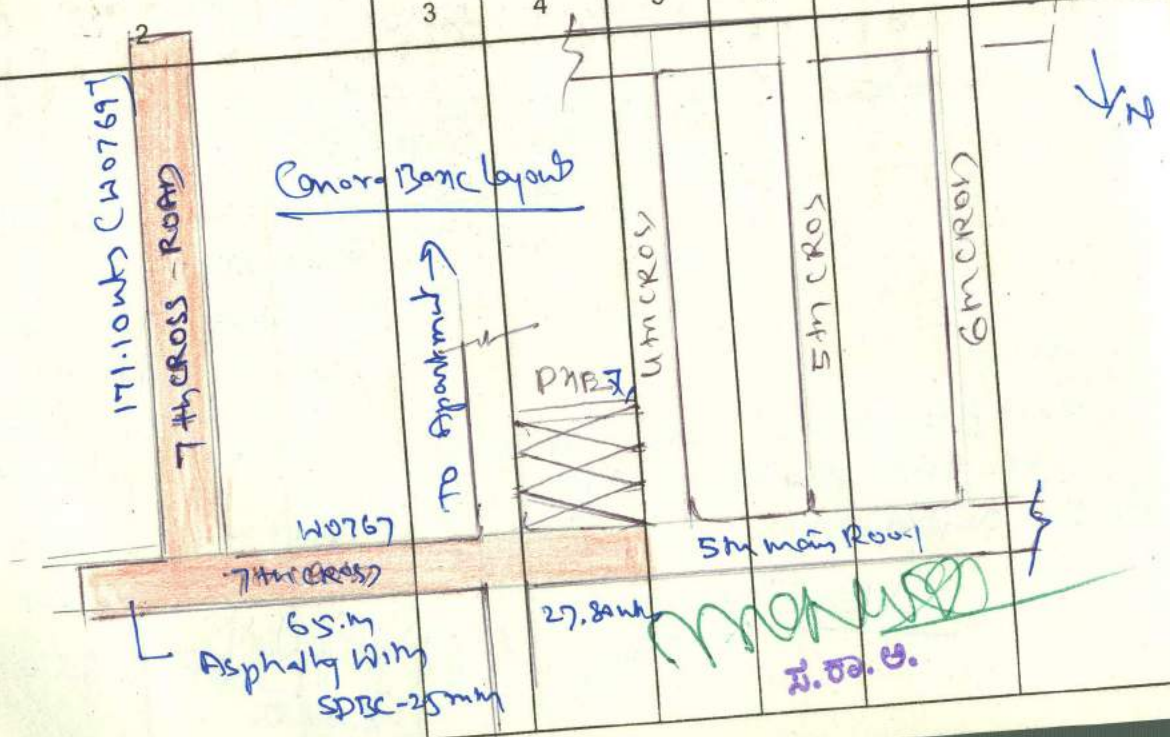
Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				= 236.70 m³			
				Ltd to 165.69 m³			12,798-00
				@ 77.24/-			
	Certificate				Total B		15,58,196.20
	(1) Certified that the contractor has Work done satisfactorily.						
	(2) The contractor has removed the debris from Work site						

K. E. E.

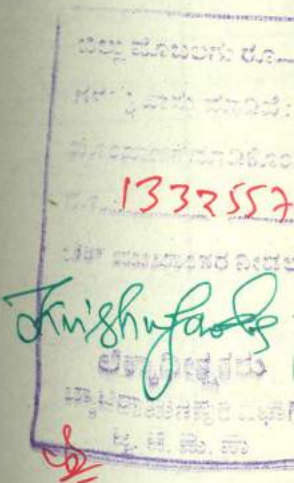
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2



T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		5th CROSS	6th CROSS
		5th main Road	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

260944

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1558/00=00				IT - 15582 -		
	225633=00				WT - 62328 -		
	133257=00				FSD - 93491 -		
					Lwk - 15582 -		
					CGF - 1558 -		
					Roy - 37092 -		
					TOT - 225633 =00		
					14/11/16		